Claims

1. A method of reducing delivery time latency of data transferred between a packet data service node system and a mobile data device, such method comprising the steps of:

detecting an indicia of bandwidth for transferring information from the packet data service node system to the mobile data device;

comparing an attribute of the indicia with a predetermined criteria; and

notifying a wireless interface controller servicing the wireless data device when the attribute of the data block exceeds the predetermined file criteria.

2. The method of reducing delivery time latency as in claim 1 wherein the step of detecting the indicia of bandwidth further comprises detecting an access request under a real time protocol.

3. The method of reducing delivery time latency as in claim 1 wherein the step of detecting the indicia of bandwidth further comprises detecting an access request under a file transfer protocol.

4. The method of reducing delivery time latency as in claim 1 wherein the step of detecting the indicia of bandwidth further comprises detecting a size of a data block to be transferred to the mobile data device.

5. The method of reducing delivery time latency as in claim 1 wherein the step of notifying the wireless interface controller further comprises sending a

notification message from the packet data service network to the wireless interface controller.

6. The method of reducing delivery time latency as in claim 1 further comprising appending the notification to a header of the data block.

7. The method of reducing delivery time latency as in claim 1 further comprising composing a packet message of the notification.

8. The method of reducing delivery time latency as in claim 7 further comprising retrieving a network address of the wireless interface controller.

9. The method of reducing delivery time latency as in claim 8 further comprising addressing the packet message to the retrieved network address.

10. The method of reducing delivery time latency as in claim 9 further comprising appending an identifier of the mobile data device to the packet message.

11. The method of reducing delivery time latency as in claim 1 further comprising transferring the data block from the packet data service network to the wireless interface controller.

12. The method of reducing delivery time latency as in claim 11 further comprising allocating a portion of a bandwidth of a wireless interface between the wireless

interface controller and mobile data device for transfer of the data block.

13. An apparatus for reducing delivery time latency of data transferred between a packet data service node system and a mobile data device, such apparatus comprising:

means for detecting an indicia of bandwidth for transferring information from the packet data service node system to the mobile data device;

means for comparing an attribute of the indicia with a predetermined criteria; and

means for notifying a wireless interface controller servicing the wireless data device when the attribute of the data block exceeds the predetermined file criteria.

14. The apparatus for reducing delivery time latency as in claim 13 wherein the means for notifying the wireless interface controller further comprises means for sending a notification message from the packet data service network to the wireless interface controller.

15. The apparatus for reducing delivery time latency as in claim 13 further comprising means for appending the notification to a header of the data block.

16. The apparatus for reducing delivery time latency as in claim 13 further comprising means for composing a packet message of the notification.

17. The apparatus for reducing delivery time latency as in claim 16 further comprising means for retrieving a network address of the wireless interface controller.

18. The apparatus for reducing delivery time latency as in claim 17 further comprising means for addressing the packet message to the retrieved network address.

19. The apparatus for reducing delivery time latency as in claim 18 further comprising means for appending an identifier of the mobile data device to the packet message.

20. The apparatus for reducing delivery time latency as in claim 13 further comprising means for transferring the data block from the packet data service network to the wireless interface controller.

21. The apparatus for reducing delivery time latency as in claim 20 further comprising means for allocating a portion of a bandwidth of a wireless interface between the wireless interface controller and mobile data device for transfer of the data block.

22. An apparatus for reducing delivery time latency of data transferred between a packet data service node system and a mobile data device, such apparatus comprising:

a routing processor adapted to detect an indicia of bandwidth for transferring information from the packet data service node system to the mobile data device;

a file analyzer adapted to compare an attribute of the indicia with a predetermined criteria; and

a communications processor adapted to notify a wireless interface controller servicing the wireless data device when the attribute of the data block exceeds the predetermined file criteria.

23. The apparatus for reducing delivery time latency as in claim 22 wherein the communications processor further comprises a data link adapted to send a notification message from the packet data service network to the wireless interface controller.

24. The apparatus for reducing delivery time latency as in claim 22 further comprising a memory adapted to retrieve a network address of the wireless interface controller.

25. The apparatus for reducing delivery time latency as in claim 22 further comprising a client application adapted to transfer the data block from the packet data service network to the wireless interface controller.